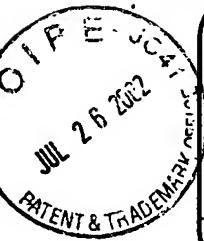


Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
Sheet	1	of	6	Application Number	10/038, 377
				Filing Date	October 19, 2001
				First Named Inventor	Dusty Lutz et al.
				Group Art Unit	3652
				Examiner Name	Unknown
				Attorney Docket Number	7594.10

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		3,182,357		Tuttle	05-11-1965	
		3,688,873		Potrafke	09-05-1972	
		3,725,895		Haynes	04-03-1973	
		3,836,755		Ehrat	09-17-1974	
		3,878,365		Schwartz	04-15-1975	
		4,071,740		Gogulski	01-31-1978	
		4,084,742		Silverman	04-18-1978	
		4,373,133		Clyne et al.	02-08-1983	
		4,583,083		Bogasky	04-15-1986	
		4,583,619		Fry	04-22-1986	
		4,676,343		Humble et al.	01-30-1987	
		4,679,154		Blanford	07-07-1987	
		4,715,457		Amacher et al.	12-29-1987	
		4,775,782		Mergenthaler et al.	10-04-1988	
		4,779,706		Mergenthaler	10-25-1988	
		4,787,467		Johnson	11-29-1988	
		4,789,048		Cramer et al.	12-06-1988	
		4,792,018		Humble et al.	12-20-1988	
		4,909,356		Rimondi et al.	03-20-1990	
		4,929,819		Collins, Jr.	05-29-1990	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>				
		BE	899018		06-18-1984		
		DE	1927819		02-04-1971		
		DE	2125869		12-07-1972		
		DE	3114139 A1		11-04-1982		
		DE	3330301 A1		03-14-1985		
		EP	0060701 B1		09-22-1982		
		EP	0124355 B1		11-07-1984		
		EP	0178223 A2		04-16-1986		
		EP	0491348 A2		06-24-1992		
		EP	0811958 A2		12-10-1997		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Application Number</b> 10/038,377 <b>Filing Date</b> October 19, 2001 <b>First Named Inventor</b> Dusty Lutz et al. <b>Group Art Unit</b> 3652 <b>Examiner Name</b> Unknown	<b>Attorney Docket Number</b> 7594.10
Sheet	2	of	6		

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		4, 940, 116		O'Connor et al.	07-10-1990	
		4, 947, 028		Gorog	08-07-1990	
		4, 964, 053		Humble	10-16-1990	
		5, 004, 916		Collins, Jr.	04-02-1991	
		5, 040, 636		Forsythe et al.	08-20-1991	
		5, 083, 638		Schneider	01-28-1992	
		5, 115, 888		Schneider	05-26-1992	
		5, 123, 494		Schneider	01-23-1992	
		5, 125, 465		Schneider	06-30-1992	
		5, 168, 961		Schneider	12-08-1992	
		5, 174, 413		Cappi et al.	12-29-1992	
		5, 191, 749		Cappi et al.	03-09-1993	
		5, 250, 789		Johnsen	10-05-1993	
		5, 297, 030		Vassigh et al.	03-22-1994	
		5, 315, 097		Collins, Jr. et al.	05-24-1994	
		5, 340, 970		Wolfe, Jr. et al.	08-23-1994	
		5, 343, 025		Usui	08-30-1994	
		5, 345, 071		Dumont	09-06-1994	
		5, 361, 871		Gupta et al.	11-08-1994	
		5, 375, 680		Ikeda et al.	12-27-1994	

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

A circular stamp with "U.S. PATENT & TRADEMARK OFFICE" around the perimeter and "JUL 26 2002" in the center.

**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Shee

3

of

6

***Complete if Known***

<b>Application Number</b>	10/038, 377
<b>Filing Date</b>	October 19, 2001
<b>First Named Inventor</b>	Dusty Lutz et al.
<b>Group Art Unit</b>	3652
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	7594.10

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	5,378,860	Dingfelder et al.		01-03-1995		
	5,397,882	Van Solt		03-14-1995		
	5,398,191	Komai		03-14-1995		
	5,424,524	Ruppert et al.		06-13-1995		
	5,426,282	Humble		06-20-1995		
	5,426,423	Raimbault et al.		06-20-1995		
	5,434,394	Roach et al.		07-18-1995		
	5,437,346	Dumont		08-01-1995		
	5,448,046	Swartz		09-05-1995		
	5,457,307	Dumont		10-10-1995		
	5,484,991	Sherman et al.		01-16-1996		
	5,485,006	Allen et al.		01-16-1996		
	5,489,773	Kumar		02-06-1996		
	5,494,136	Humble		02-27-1996		
	5,497,314	Novak		03-05-1996		
	5,497,853	Collins, Jr. et al.		03-12-1996		
	5,540,301	Dumont		07-30-1996		
	5,543,607	Watanabe et al.		08-06-1996		
	5,544,040	Gerbaulet		08-06-1996		
	5,560,450	Kouno		10-01-1996		

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

A circular stamp with "U.S. PATENT & TRADEMARK OFFICE" around the perimeter and "JUL 26 2002" in the center.

**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Shee

4

of

6

***Complete if Known***

<b>Application Number</b>	10/038,377
<b>Filing Date</b>	October 19, 2001
<b>First Named Inventor</b>	Dusty Lutz et al.
<b>Group Art Unit</b>	3652
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	7594.10

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		5,595,264		Trotta, Jr.	01-21-1997	
		5,609,223		Iizaka et al.	03-11-1997	
		5,635,906		Joseph	06-03-1997	
		5,637,847		Watanabe	06-10-1997	
		5,662,190		Abe	09-02-1997	
		5,663,963		Goodwin, III et al.	09-02-1997	
		5,684,289		Detwiler et al.	11-04-1997	
		5,721,420		May	02-24-1998	
		5,736,721		Swartz	04-07-1998	
		5,752,582		Hayward	05-19-1998	
		5,814,799		Swartz et al.	09-29-1998	
		5,821,512		O'Hagan et al.	10-13-1998	
		5,845,263		Camaisa et. al.	12-01-1998	
		5,877,485		Swartz	03-02-1999	
		5,883,968		Welch et al.	03-16-1999	
		5,884,728		d'Estaintot et al.	03-23-1999	
		5,898,158		Shimizu et al...	04-27-1999	
		5,900,614		Nakakawaji et al.	05-04-1999	
		5,923,735		Swartz et al.	07-13-1999	
		5,978,772		Mold	11-02-1999	

## **FOREIGN PATENT DOCUMENTS**

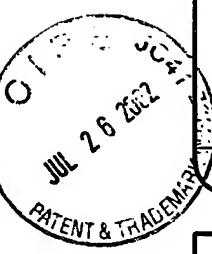
Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

5

of

6

**Complete if Known**

<b>Application Number</b>	10/038,377
<b>Filing Date</b>	October 19, 2001
<b>First Named Inventor</b>	Dusty Lutz et al.
<b>Group Art Unit</b>	3652
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	7594.10

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"Optimal Robotics Selects Diebold's ATM Cash Dispensing Technology; Industry Leading U-Scan Express Self-Checkout System To Incorporate Diebold ATM Dispensers", Business Wire, December 20, 1999	
		AMATO-MCCOY, DEENA, "Brookshire's Shoppers Will Soon Experience Ease and Convenience of NCR Self-Checkout; NCR Self-Checkout Express Lets Shoppers Scan and Pay for Their Purchases", PR Newswire, February 24, 1999	
		AMATO-MCOY, DEENA, "Self-Checkout Test Planned at Brookshire Grocery Units", Supermarket News Page: 21(1), April 26, 1999	
		"More Supermarkets Can Offer Shoppers Ease and Convenience of NCR Self-Checkout", PR Newswire, February 16, 1999	
		POWER, DENISE, "Self-Scanning Checks In. (Meijer)", HFN The Weekly Newspaper for the Home Furnishing Network, vol. 72, Issue No. 36, September 14, 1998	
		Web pages: <a href="http://www.terregal.net.au/kjka/www.pscnet.com/uscanspe.htm">http://www.terregal.net.au/kjka/www.pscnet.com/uscanspe.htm</a> , U-Scan Express(tm) Self-Checkout, 3/29/00	
		ZIMMERMAN, KIM ANN, "Food Lion To Install More Self-Checkouts", Supermarket News, October 4, 1999	
		"NCR: NCR Unveils Retail Self-Service Solution", M2 Presswire, June 16, 1998	
		CORBIN, COLE, "Checking Out Self-Scanning: More Retailers Are Singing the Praises of Both Portable and Stationary Self-Scanning, But Customers Still Need a Bit of Wooing", Supermarket News, March 15, 1999	
		MOLTZEN, EDWARD F., "NCR, Innovax Team For Supermarket Sweep", Computer Reseller News, February 22, 1999	
		Abstract: WOODYARD, CHRIS, "Grocery Shoppers Can Be Own Cashiers", USA Today, March 9, 1998	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →  +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

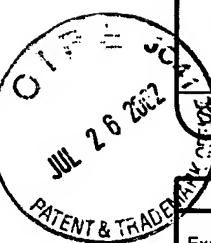
6

of

6

## Complete if Known

Application Number	10/038,377
Filing Date	October 19, 2001
First Named Inventor	Dusty Lutz et al.
Group Art Unit	3652
Examiner Name	Unknown
Attorney Docket Number	7594.10



## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
		Search Results List: 8 Articles listed; Word or Phrase: Self and (checkout or scan?) and automat? and teller and mach, Date range: 1998 - Present; print date April 3, 2000	
		Search Results List: 7 Articles listed; Word or Phrase: Self and (checkout or scan?) and automat? and teller and mach, Date range: Backfile (1986-1997); print date April 3, 2000	
		Search Results List by Rank: 100 Articles listed; Search criteria Self-Checkout Coupled To An Automated Teller Machine; print date March 29, 2000	
		U-Scan Express.TM., The U-Scan Express.TM. Self-Checkout System, Spectra-Physics Scanning Systems, Inc., February 1996	
		Optimal Robotics 8870 System. TM., Optimal Robotics Corporation, 1995	
		ZIMMERMAN, DENISE, "Kroger Unit to Expand Customer Self-Scanning", Supermarket News, August 14, 1995, page 15	
		ZIMMERMAN, DENISE, "Kroger Self-Scan Lane To Test Debit Credit" Supermarket News, Vol. 45, Number 14, page 13+, April 3, 1995	
		LANG JONES, JEANNE, "Robots Will Do Checkout at Grocery", Houston Post, (Final, Business, p. C1, February 22, 1995	
		"Burger King Tests Credit-Card Payments", The Miami Herald Knight-Rider/Tribune Business News, July 9, 1993	
		WISEMBERG-BRIN, DINAH, Associated Press, "You-buy, you-scan bag", Dayton Daily News, August 11, 1996	
		GAMBURER, A.T., et al., "Analogue-code Converter Used with Strain Gauge Hopper Weighers", Instrumental and Control, March 3, 1969	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.